

L1 STRUCTURE UPLOADED

=>

---Logging off of STN---

=>  
Executing the logoff script...

=> LOG Y

| COST IN U.S. DOLLARS | SINCE FILE<br>ENTRY | TOTAL<br>SESSION |
|----------------------|---------------------|------------------|
| FULL ESTIMATED COST  | 0.44                | 0.65             |

STN INTERNATIONAL LOGOFF AT 11:16:43 ON 11 SEP 2006

## Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID: SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 FEB 27 New STN AnaVist pricing effective March 1, 2006  
NEWS 4 MAY 10 CA/CAplus enhanced with 1900-1906 U.S. patent records  
NEWS 5 MAY 11 KOREAPAT updates resume  
NEWS 6 MAY 19 Derwent World Patents Index to be reloaded and enhanced  
NEWS 7 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAplus and  
USPATFULL/USPAT2  
NEWS 8 MAY 30 The F-Term thesaurus is now available in CA/CAplus  
NEWS 9 JUN 02 The first reclassification of IPC codes now complete in  
INPADOC  
NEWS 10 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and  
and display fields  
NEWS 11 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL  
NEWS 12 JUL 11 CHEMSAFE reloaded and enhanced  
NEWS 13 JUL 14 FSTA enhanced with Japanese patents  
NEWS 14 JUL 19 Coverage of Research Disclosure reinstated in DWPI  
NEWS 15 AUG 09 INSPEC enhanced with 1898-1968 archive  
NEWS 16 AUG 28 ADISCTI Reloaded and Enhanced  
NEWS 17 AUG 30 CA(SM)/CAplus(SM) Austrian patent law changes  
NEWS 18 SEP 11 CA/CAplus enhanced with more pre-1907 records

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
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FILE 'REGISTRY' ENTERED AT 08:41:19 ON 11 SEP 2006  
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STRUCTURE FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8  
DICTIONARY FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8

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TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

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<http://www.cas.org/ONLINE/UG/regprops.html>

```
=> s e1-e39
 1 1001-53-2/BI
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 1 105-36-2/BI
      (105-36-2/RN)
 1 111-40-0/BI
      (111-40-0/RN)
 1 112-24-3/BI
      (112-24-3/RN)
 1 12678-01-2/BI
      (12678-01-2/RN)
 1 14133-76-7/BI
      (14133-76-7/RN)
 1 14378-26-8/BI
      (14378-26-8/RN)
 1 14998-63-1/BI
      (14998-63-1/RN)
 1 193206-49-4/BI
      (193206-49-4/RN)
 1 20830-81-3/BI
      (20830-81-3/RN)
 1 24424-99-5/BI
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      (25908-22-9/RN)
 1 260-94-6/BI
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      (289661-19-4/RN)
 1 289661-20-7/BI
      (289661-20-7/RN)
 1 289661-21-8/BI
      (289661-21-8/RN)
 1 289661-22-9/BI
      (289661-22-9/RN)
 1 289661-23-0/BI
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NEWS 17 AUG 30 CA(SM) /CAplus(SM) Austrian patent law changes

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

|            |   |
|------------|---|
| NEWS HOURS | STN Operating Hours Plus Help Desk Availability               |
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| NEWS IPC8  | For general information regarding STN implementation of IPC 8 |
| NEWS X25   | X.25 communication option no longer available                 |

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FILE 'HOME' ENTERED AT 08:40:24 ON 11 SEP 2006

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FILE COVERS 1907 - 11 Sep 2006 VOL 145 ISS 12  
FILE LAST UPDATED: 10 Sep 2006 (20060910/ED)

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<http://www.cas.org/infopolicy.html>

=> sel rn  
E1 THROUGH E39 ASSIGNED

=> file reg  
COST IN U.S. DOLLARS . SINCE FILE TOTAL  
FULL ESTIMATED COST ENTRY SESSION  
2.49 2.70

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        (289661-23-0/RN)
1 289661-24-1/BI
        (289661-24-1/RN)
1 289661-25-2/BI
        (289661-25-2/RN)
1 289661-26-3/BI
        (289661-26-3/RN)
1 289661-27-4/BI
        (289661-27-4/RN)
1 289661-28-5/BI
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1 289661-29-6/BI
        (289661-29-6/RN)
1 289705-40-4/BI
        (289705-40-4/RN)
1 289705-41-5/BI
        (289705-41-5/RN)
1 51-17-2/BI
        (51-17-2/RN)
1 519-23-3/BI
        (519-23-3/RN)
1 5470-96-2/BI
        (5470-96-2/RN)
1 56420-45-2/BI
        (56420-45-2/RN)
1 59065-50-8/BI
        (59065-50-8/RN)
1 65271-80-9/BI
        (65271-80-9/RN)
1 7439-96-5/BI
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1 85-02-9/BI
        (85-02-9/RN)
1 86-74-8/BI
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1 91-63-4/BI
        (91-63-4/RN)
1 98-88-4/BI
        (98-88-4/RN)
L2 39 (1001-53-2/BI OR 105-36-2/BI OR 111-40-0/BI OR 112-24-3/BI OR
        12678-01-2/BI OR 14133-76-7/BI OR 14378-26-8/BI OR 14998-63-1/BI
        OR 193206-49-4/BI OR 20830-81-3/BI OR 24424-99-5/BI OR 25908-22-
        9/BI OR 260-94-6/BI OR 26455-95-8/BI OR 289661-18-3/BI OR 289661-
        19-4/BI OR 289661-20-7/BI OR 289661-21-8/BI OR 289661-22-9/BI OR
        289661-23-0/BI OR 289661-24-1/BI OR 289661-25-2/BI OR 289661-26-3
        /BI OR 289661-27-4/BI OR 289661-28-5/BI OR 289661-29-6/BI OR
        289705-40-4/BI OR 289705-41-5/BI OR 51-17-2/BI OR 519-23-3/BI OR
        5470-96-2/BI OR 56420-45-2/BI OR 59065-50-8/BI OR 65271-80-9/BI
        OR 7439-96-5/BI OR 85-02-9/BI OR 86-74-8/BI OR 91-63-4/BI OR
        98-88-4/BI)

```

=> d 1-39

```

L2 ANSWER 1 OF 39  REGISTRY  COPYRIGHT 2006 ACS on STN
RN 289705-41-5  REGISTRY
ED Entered STN: 20 Sep 2000
CN Rhenium, aqua(benzo[f]quinoline-3-carboxylato-
        κN4,κO3)tricarbonyl-, (OC-6-44)- (9CI) (CA INDEX NAME)
MF C17 H10 N O6 Re
CI CCS
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

```

/ Structure 1 in file .gra /

NEWS 10 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and and display fields  
NEWS 11 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL  
NEWS 12 JUL 11 CHEMSAFE reloaded and enhanced  
NEWS 13 JUL 14 FSTA enhanced with Japanese patents  
NEWS 14 JUL 19 Coverage of Research Disclosure reinstated in DWPI  
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|            |   |
|------------|---|
| NEWS HOURS | STN Operating Hours Plus Help Desk Availability               |
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| NEWS X25   | X.25 communication option no longer available                 |

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FILE 'HOME' ENTERED AT 11:15:54 ON 11 SEP 2006

FILE 'REGISTRY' ENTERED AT 11:16:16 ON 11 SEP 2006  
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```
=> Uploading c:\program files\stnexp\queries\10707994 fig.2
```

NEWS LOGIN      Welcome Banner and News Items  
NEWS IPC8      For general information regarding STN implementation of IPC 8  
NEWS X25      X.25 communication option no longer available

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| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST  | 0.21             | 0.21          |

FILE 'REGISTRY' ENTERED AT 11:18:27 ON 11 SEP 2006  
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DICTIONARY FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8

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<http://www.cas.org/ONLINE/UG/reaprops.html>

=> Uploading c:\program files\stnexp\queries\10707994.fig.2b

## 1.1 STRUCTURE UPLOADED

```
=> s 11 exa full
FULL SEARCH INITIATED 11:18:47 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 22 TO ITERATE
```

100.0% PROCESSED 22 ITERATIONS 1 ANSWERS  
SEARCH TIME: 00.00.01

L2 1 SEA EXA FUL L1

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 2 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 289705-40-4 REGISTRY  
ED Entered STN: 20 Sep 2000  
CN Ethanaminium, N,N,N-triethyl-, (OC-6-44)-(benzo[f]quinoline-3-carboxylato-  
κN4,κO3)bromotricarbonylrhenate(1-) (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Rhenate(1-), (benzo[f]quinoline-3-carboxylato-  
κN4,κO3)bromotricarbonyl-, (OC-6-44)-, N,N,N-  
triethyllethanaminium (9CI)  
MF C17 H8 Br N O5 Re . C8 H20 N  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

CM 1

CRN 289705-39-1  
CMF C17 H8 Br N O5 Re  
CCI CCS

/ Structure 2 in file .gra /

CM 2

CRN 66-40-0  
CMF C8 H20 N

/ Structure 3 in file .gra /

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 3 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 289661-29-6 REGISTRY  
ED Entered STN: 19 Sep 2000  
CN Glycine, N-[2-(formylamino)ethyl]-N-(2-pyridinylmethyl)- (9CI) (CA INDEX  
NAME)  
FS 3D CONCORD  
MF C11 H15 N3 O3  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

/ Structure 4 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 4 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 289661-28-5 REGISTRY  
ED Entered STN: 19 Sep 2000  
CN 1,2-Ethanediamine, N-(2-aminoethyl)-N'-(2-quinolinylmethyl)-,  
hydrochloride (9CI) (CA INDEX NAME)  
MF C14 H20 N4 . x Cl H  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

CRN (289661-24-1)

/ Structure 5 in file .gra /

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 5 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 289661-27-4 REGISTRY  
ED Entered STN: 19 Sep 2000  
CN 1,2-Ethanediamine, N-(2-quinolinylmethyl)-, hydrochloride (9CI) (CA INDEX NAME)  
MF C12 H15 N3 . x Cl H  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL  
CRN (289661-21-8)

/ Structure 6 in file .gra /

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 6 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 289661-26-3 REGISTRY  
ED Entered STN: 19 Sep 2000  
CN Glycine, N-(2-aminoethyl)-N-(2-pyridinylmethyl)- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C10 H15 N3 O2  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

/ Structure 7 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 7 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 289661-25-2 REGISTRY  
ED Entered STN: 19 Sep 2000  
CN Glycine, N-[2-(formylamino)ethyl]-N-(2-pyridinylmethyl)-, ethyl ester (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C13 H19 N3 O3  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

/ Structure 8 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 8 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 289661-24-1 REGISTRY  
ED Entered STN: 19 Sep 2000  
CN 1,2-Ethanediamine, N-(2-aminoethyl)-N'-(2-quinolinylmethyl)- (9CI) (CA

INDEX NAME)  
FS 3D CONCORD  
MF C14 H20 N4  
CI COM  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

/ Structure 9 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 9 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 289661-23-0 REGISTRY  
ED Entered STN: 19 Sep 2000  
CN Carbamic acid, [2-[[2-[(2-quinolinylmethyl)amino]ethyl]amino]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C19 H28 N4 O2  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

/ Structure 10 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 10 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 289661-22-9 REGISTRY  
ED Entered STN: 19 Sep 2000  
CN Carbamic acid, [2-[[2-[(2-quinolinylmethylene)amino]ethyl]amino]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C19 H26 N4 O2  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

/ Structure 11 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 11 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 289661-21-8 REGISTRY  
ED Entered STN: 19 Sep 2000  
CN 1,2-Ethanediamine, N-(2-quinolinylmethyl)- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C12 H15 N3  
CI COM  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

/ Structure 12 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 12 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 289661-20-7 REGISTRY  
ED Entered STN: 19 Sep 2000  
CN Acetamide, N-[2-[(2-quinolinylmethyl)amino]ethyl]- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C14 H17 N3 O  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

/ Structure 13 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 13 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 289661-19-4 REGISTRY  
ED Entered STN: 19 Sep 2000  
CN Acetamide, N-[2-[(2-quinolinylmethylene)amino]ethyl]- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C14 H15 N3 O  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

/ Structure 14 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 14 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 289661-18-3 REGISTRY  
ED Entered STN: 19 Sep 2000  
CN Benzo[f]quinoline-3-carboxylic acid, hydrobromide (9CI) (CA INDEX NAME)  
MF C14 H9 N O2 . Br H  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL  
CRN (65714-31-0)

/ Structure 15 in file .gra /

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 15 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 193206-49-4 REGISTRY  
ED Entered STN: 28 Aug 1997  
CN Carbamic acid, [2-[(2-aminoethyl)amino]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD  
MF C9 H21 N3 O2  
CI COM  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT, CHEMCATS, CSCHEM, TOXCENTER, USPATFULL

/ Structure 16 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

7 REFERENCES IN FILE CA (1907 TO DATE)  
7 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 16 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 65271-80-9 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 9,10-Anthracenedione, 1,4-dihydroxy-5,8-bis[[2-[(2-hydroxyethyl)amino]ethyl]amino]- (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 1,4-Bis[(2-(2-hydroxyethylamino)ethyl)amino]-5,8-dihydroxyanthraquinone  
CN 1,4-Dihydroxy-5,8-bis-[[2-[(2-hydroxyethyl)amino]ethyl]amino]anthraquinone  
CN 1,4-Dihydroxy-5,8-bis[[2-[(2-hydroxyethyl)amino]ethyl]amino]-9,10-anthracenedione  
CN DHAQ  
CN Dihydroxyanthraquinone  
CN Mitoxanthrone  
CN Mitoxantrone  
CN Mitozantrone  
CN Novantron  
CN Novantrone  
CN NSC 279836  
CN Ralenova  
FS 3D CONCORD  
DR 137635-96-2, 70945-62-9  
MF C22 H28 N4 O6  
CI COM  
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DRUGU, EMBASE, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK\*, PHAR, PROMT, PROUSDDR, PS, RTECS\*, SCISEARCH, SYNTHLINE, TOXCENTER, ULIDAT, USAN, USPAT2, USPATFULL, VETU  
(\*File contains numerically searchable property data)  
Other Sources: WHO

/ Structure 17 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2976 REFERENCES IN FILE CA (1907 TO DATE)  
104 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
2985 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 17 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 59065-50-8 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Formamide, N-[2-[(2-pyridinylmethyl)amino]ethyl]- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C9 H13 N3 O  
LC STN Files: CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPATFULL

/ Structure 18 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 18 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 56420-45-2 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 5,12-Naphthacenedione, 10-[(3-amino-2,3,6-trideoxy- $\alpha$ -L-arabino-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-8-(hydroxyacetyl)-1-methoxy-, (8S,10S)- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 5,12-Naphthacenedione, 10-[(3-amino-2,3,6-trideoxy- $\alpha$ -L-arabino-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-8-(hydroxyacetyl)-1-methoxy-, (8S-cis)-  
OTHER NAMES:  
CN 4'-epi-Adriamycin  
CN 4'-epi-Doxorubicin  
CN 4'-Epi-DX  
CN 4'-Epidriamycin  
CN 4'-Epidoxorubicin  
CN Epiadriamycin  
CN Epodoxorubicin  
CN Epirubicin  
CN Farmarubicin  
CN Farmarubicine  
CN IMI 28  
CN NSC 256942  
CN Phamarubicin  
CN Pidorubicin  
CN WP 697  
FS STEREOSEARCH  
DR 57918-25-9  
MF C27 H29 N O11  
CI COM  
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CAPLUS, CBNB, CHEMCATS, CIN, CSCHEM, DDFU, DRUGU, EMBASE, HSDB\*, IMSCOSEARCH, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK\*, NAPRALERT, PHAR, PROMT, PROUSDDR, PS, RTECS\*, SCISEARCH, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL, VETU  
(\*File contains numerically searchable property data)  
Other Sources: WHO

Absolute stereochemistry.

/ Structure 19 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2331 REFERENCES IN FILE CA (1907 TO DATE)  
93 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
2336 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 19 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 26455-95-8 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Benzo[f]quinoline-3-carbonitrile, 4-benzoyl-3,4-dihydro- (7CI, 8CI, 9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 1-Benzoyl-1,2-dihydrobenzo[f]quinaldonitrile  
CN NSC 96541

FS 3D CONCORD  
MF C21 H14 N2 O  
LC STN Files: BEILSTEIN\*, CA, CAOLD, CAPLUS, CASREACT, TOXCENTER, USPATFULL  
(\*File contains numerically searchable property data)

/ Structure 20 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

8 REFERENCES IN FILE CA (1907 TO DATE)  
8 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 20 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 25908-22-9 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Ethanaminium, N,N,N-triethyl-, (OC-6-22)-tribromotricarbonylrhenate(2-)  
(2:1) (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Ammonium, tetraethyl-, tribromotricarbonylrhenate(2-) (2:1), cis- (8CI)  
CN Rhenate(2-), tribromotricarbonyl-, (OC-6-22)-, bis(N,N,N-  
triethylethanaminium) (9CI)  
CN Rhenate(2-), tribromotricarbonyl-, bis(tetraethylammonium), cis- (8CI)  
OTHER NAMES:  
CN Bis(tetraethylammonium) fac-tribromotricarbonylrhenate  
CN Bis(tetraethylammonium) fac-tribromotricarbonylrhenate(2-)  
CN Bis(tetraethylammonium) tribromotricarbonylrhenate(2-)  
CN fac-Bis(tetraethylammonium) tribromotricarbonylrhenate(2-)  
MF C8 H20 N . 1/2 C3 Br3 O3 Re  
LC STN Files: CA, CAPLUS, CASREACT, GMELIN\*, TOXCENTER, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)

CM 1

CRN 44863-71-0  
CMF C3 Br3 O3 Re  
CCI CCS

/ Structure 21 in file .gra /

CM 2

CRN 66-40-0  
CMF C8 H20 N

/ Structure 22 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

125 REFERENCES IN FILE CA (1907 TO DATE)  
125 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 21 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 24424-99-5 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Dicarbonic acid, bis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Formic acid, oxydi-, di-tert-butyl ester (7CI, 8CI)  
OTHER NAMES:

CN Bis(1,1-dimethylethyl) dicarbonate  
CN Bis(tert-butyl) dicarbonate  
CN BOC-anhydride  
CN Di-tert-butyl dicarbonate  
CN Di-tert-butyl oxydiformate  
CN Di-tert-butyl pyrocarbonate  
CN Pyrocarbonic acid di-tert-butyl ester  
CN tert-Butoxycarbonyl anhydride  
CN tert-Butyl dicarbonate  
FS 3D CONCORD  
MF C10 H18 O5  
CI COM  
LC STN Files: BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, GMELIN\*, IPA, MEDLINE, MSDS-OHS, PROMT, PS, RTECS\*, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

/ Structure 23 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

4922 REFERENCES IN FILE CA (1907 TO DATE)  
155 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
4941 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 22 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 20830-81-3 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 5,12-Naphthacenedione, 8-acetyl-10-[(3-amino-2,3,6-trideoxy- $\alpha$ -L-lyxo-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-, (8S,10S)- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 5,12-Naphthacenedione, 8-acetyl-10-[(3-amino-2,3,6-trideoxy- $\alpha$ -L-lyxo-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-, (8S-cis)-  
CN Daunomycin (8CI)  
OTHER NAMES:  
CN (+)-Daunomycin  
CN Acetyladriamycin  
CN Cerubidin  
CN Daunoblastina  
CN Daunomycine  
CN Daunorubicin  
CN Daunorubicine  
CN DaunoXome  
CN Leukaemomycin C  
CN NSC 82151  
CN NSC 83142  
CN RP 13057  
CN Rubidomycin  
CN Rubomycin C  
FS STEREOSEARCH  
DR 11006-54-5, 11048-29-6, 1407-15-4, 23942-76-9, 149541-57-1, 27576-81-4, 28020-80-6  
MF C27 H29 N O10  
CI COM  
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DRUGU, EMBASE, HSDB\*, IFICDB, IFIPAT, IFIUDB, IMSCOSEARCH, IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT, PHAR,

PIRA, PROMT, PS, RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER, USAN, USPAT2,  
USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: EINECS\*\*, WHO  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.

/ Structure 24 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

6301 REFERENCES IN FILE CA (1907 TO DATE)  
667 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
6308 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 23 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN

RN 14998-63-1 REGISTRY

ED Entered STN: 16 Nov 1984

CN Rhenium, isotope of mass 186 (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN 186Re

CN Re 186

CN Re-186

CN Rhenium-186

MF Re

CI COM

LC STN Files: ADISNEWS, ANABSTR, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS,  
CBNB, CIN, EMBASE, PROMT, TOXCENTER, USPAT2, USPATFULL

/ Structure 25 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1121 REFERENCES IN FILE CA (1907 TO DATE)  
402 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
1123 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 24 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN

RN 14378-26-8 REGISTRY

ED Entered STN: 16 Nov 1984

CN Rhenium, isotope of mass 188 (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN 188Re

CN Re 188

CN Rhenium-188

MF Re

CI COM

SR CA

LC STN Files: AGRICOLA, ANABSTR, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CBNB,  
CIN, IPA, PROMT, TOXCENTER, USPAT2, USPATFULL

/ Structure 26 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1216 REFERENCES IN FILE CA (1907 TO DATE)  
477 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

1218 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 25 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 14133-76-7 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Technetium, isotope of mass 99 (8CI, 9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 99Tc  
CN Tc 99  
CN Technetium-99  
MF Tc  
CI COM  
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMLIST, CIN, CSNB, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MSDS-OHS, PROMT, TOXCENTER, USPAT2, USPATFULL

/ Structure 27 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

9189 REFERENCES IN FILE CA (1907 TO DATE)  
3642 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
9196 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
27 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 26 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 12678-01-2 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Phenanthroline (7CI, 9CI) (CA INDEX NAME)  
MF C12 H8 N2  
CI COM, MAN  
LC STN Files: AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CIN, DETHERM\*, EMBASE, IFICDB, IFIPAT, IFIUDB, PIRA, PROMT, TOXCENTER, TULSA, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

265 REFERENCES IN FILE CA (1907 TO DATE)  
84 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
267 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
4 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 27 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 7439-96-5 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Manganese (8CI, 9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Colloidal manganese  
CN Cutaval  
CN JIS-G 1213  
CN Manganese element  
CN Manganese fulleride (MnC20)  
CN Manganese-55  
DR 8031-40-1, 8075-39-6, 17375-02-9, 39303-06-5, 195161-78-5  
MF Mn  
CI COM  
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BIOSIS, BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM\*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, PIRA, PROMT, RTECS\*, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VETU, VTB

(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

/ Structure 28 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

182431 REFERENCES IN FILE CA (1907 TO DATE)  
9241 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
182655 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 28 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN

RN 5470-96-2 REGISTRY

ED Entered STN: 16 Nov 1984

CN 2-Quinolinecarboxaldehyde (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Quinaldaldehyde (6CI, 7CI, 8CI)

OTHER NAMES:

CN 2-Formylquinoline

CN 2-Quinolinecarbaldehyde

CN 2-Quinolylaldehyde

CN 2-Quinolylcarbaldehyde

CN NSC 27026

FS 3D CONCORD

MF C10 H7 N O

CI COM

LC STN Files: BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, GMELIN\*, IFICDB, IFIPAT, IFIUDB, PS, SPECINFO, TOXCENTER, USPAT2, USPATFULL

(\*File contains numerically searchable property data)

Other Sources: EINECS\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

/ Structure 29 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

449 REFERENCES IN FILE CA (1907 TO DATE)  
3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
451 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
29 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 29 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN

RN 1001-53-2 REGISTRY

ED Entered STN: 16 Nov 1984

CN Acetamide, N-(2-aminoethyl)- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN 1,2-Ethanediamine, N-acetyl-

CN 2-(Acetylamino)ethylamine

CN 2-Acetamido-1-ethanamine

CN 2-Acetamidoethylamine

CN N-(2-Aminoethyl)acetamide

CN N-Acetyl-1,2-diaminoethane

CN N-Acetyl-1,2-ethanediamine

CN N-Acetyl-1,2-ethylenediamine

CN N-Acetylenethylenediamine

CN N-Monoacetylenethylenediamine

CN N1-Acetylenethylenediamine

CN NSC 28936

FS 3D CONCORD  
MF C4 H10 N2 O  
CI COM  
LC STN Files: BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, IFICDB, IFIPAT, IFIUDB, IPA, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)

/ Structure 30 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

403 REFERENCES IN FILE CA (1907 TO DATE)  
10 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
404 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 30 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 519-23-3 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 6H-Pyrido[4,3-b]carbazole, 5,11-dimethyl- (7CI, 8CI, 9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Ellipticine (6CI)  
OTHER NAMES:  
CN 5,11-Dimethyl-6H-pyrido[4,3-b]carbazole  
CN CP 5  
CN NSC 71795  
FS 3D CONCORD  
MF C17 H14 N2  
CI COM  
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, DDFU, DRUGU, EMBASE, IPA, MEDLINE, MRCK\*, NAPRALERT, PROMT, RTECS\*, SPECINFO, TOXCENTER, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: EINECS\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

/ Structure 31 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

652 REFERENCES IN FILE CA (1907 TO DATE)  
138 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
653 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
8 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 31 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 260-94-6 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Acridine (8CI, 9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 10-Azaanthracene  
CN 2,3-Benzoquinoline  
CN 9-Azaanthracene  
CN Benzo[b]quinoline  
CN Dibenzo[b,e]pyridine  
CN NSC 3408  
FS 3D CONCORD  
MF C13 H9 N  
CI COM, RPS

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM\*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, PIRA, PROMT, RTECS\*, SPECINFO, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VETU, VTB  
(\*File contains numerically searchable property data)  
Other Sources: EINECS\*\*, NDSL\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

/ Structure 32 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

4531 REFERENCES IN FILE CA (1907 TO DATE)  
625 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
4538 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 32 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 112-24-3 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 1,2-Ethanediamine, N,N'-bis(2-aminoethyl)- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Triethylenetetramine (8CI)  
OTHER NAMES:  
CN 1,4,7,10-Tetraazadecane  
CN 1,8-Diamino-3,6-diazaoctane  
CN 3,6-Diazaoctane-1,8-diamine  
CN Ancamine TETA  
CN Araldite Hardener HY 951  
CN Araldite HY 951  
CN DEH 24  
CN Epicure 3234  
CN HY 951  
CN N,N'-Bis(2-aminoethyl)-1,2-diaminoethane  
CN N,N'-Bis(2-aminoethyl)-1,2-ethanediamine  
CN N,N'-Bis(2-aminoethyl)ethylenediamine  
CN NSC 443  
CN RT 1AX  
CN Rutapox VE 2896  
CN TECZA  
CN TETA  
CN TETA (crosslinking agent)  
CN Trien  
CN Trientine  
CN VE 2896  
CN Z1  
FS 3D CONCORD  
DR 801997-18-2, 14175-14-5, 105093-20-7, 71124-11-3, 39421-77-7, 110670-33-2,  
193487-08-0  
MF C6 H18 N4  
CI COM  
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM\*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, IMSDRUGNEWS, IMSRESEARCH, IPA, MEDLINE, MRCK\*, MSDS-OHS, PIRA, PROMT, PS, RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USAN, USPAT2, USPATFULL, VETU, VTB  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*, WHO  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

/ Structure 33 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

5943 REFERENCES IN FILE CA (1907 TO DATE)  
1697 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
5949 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
114 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 33 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 111-40-0 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 1,2-Ethanediamine, N-(2-aminoethyl)- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Diethylenetriamine (8CI)  
OTHER NAMES:  
CN 1,4,7-Triazaheptane  
CN 1,5-Diamino-3-azapentane  
CN 2,2'-Diaminodiethylamine  
CN 2,2'-Iminobis(ethanamine)  
CN 2-(2-Aminoethylamino)ethylamine  
CN 3-Azapentane-1,5-diamine  
CN Ancamine DETA  
CN Bis( $\beta$ -aminoethyl)amine  
CN Bis(2-aminoethyl)amine  
CN ChS-P 1  
CN DEH 20  
CN DETA  
CN Epicure T  
CN Epon 3223  
CN H 9506  
CN N,N-Bis(2-aminoethyl)amine  
CN N-(2-Aminoethyl)-1,2-ethanediamine  
CN N-(2-Aminoethyl)ethylenediamine  
CN NCI 138881  
CN NSC 446  
FS 3D CONCORD  
DR 859039-00-2, 8076-55-9, 53303-76-7, 54018-92-7, 59135-90-9, 94700-17-1,  
98824-35-2, 73989-30-7, 26915-78-6, 419553-44-9  
MF C4 H13 N3  
CI COM  
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA,  
CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST,  
CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM\*, DRUGU, EMBASE, ENCOMPLIT,  
ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN\*, HSDB\*, IFICDB, IFIPAT,  
IFIUDB, IPA, MEDLINE, MSDS-OHS, PIRA, PROMT, RTECS\*, SPECINFO,  
SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VTB  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

/ Structure 34 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

9243 REFERENCES IN FILE CA (1907 TO DATE)  
3097 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
9256 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
168 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 34 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 105-36-2 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Acetic acid, bromo-, ethyl ester (6CI, 8CI, 9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN (Ethoxycarbonyl)methyl bromide  
CN  $\alpha$ -Bromoacetic acid ethyl ester  
CN 2-Bromoacetic acid ethyl ester  
CN Antol  
CN Bromoacetic acid ethyl ester  
CN Ethyl  $\alpha$ -bromoacetate  
CN Ethyl 2-bromoacetate  
CN Ethyl 2-bromoethanoate  
CN Ethyl bromacetate  
CN Ethyl bromoacetate  
CN Ethyl bromoethanoate  
CN Ethyl monobromoacetate  
CN NSC 8832  
FS 3D CONCORD  
DR 679806-14-5  
MF C4 H7 Br O2  
CI COM  
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DETHERM\*, EMBASE, GMELIN\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MSDS-OHS, PROMT, PS, RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

/ Structure 35 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

8356 REFERENCES IN FILE CA (1907 TO DATE)  
27 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
8370 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
43 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 35 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 98-88-4 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Benzoyl chloride (8CI, 9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Benzaldehyde,  $\alpha$ -chloro-  
CN Benzenecarbonyl chloride  
CN Benzoic acid chloride  
FS 3D CONCORD  
MF C7 H5 Cl O  
CI COM  
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DETHERM\*, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPAT, ENCOMPPAT2, GMELIN\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK\*, MSDS-OHS, PIRA, PROMT, PS, RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER, ULIDAT, USPAT2, USPATFULL, VTB  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

/ Structure 36 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

15950 REFERENCES IN FILE CA (1907 TO DATE)  
407 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
15992 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
8 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 36 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 91-63-4 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Quinoline, 2-methyl- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Quinaldine (8CI)  
OTHER NAMES:  
CN 2-Methylquinoline  
CN Khinaldin  
CN NSC 3397  
FS 3D CONCORD  
MF C10 H9 N  
CI COM  
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM\*, DRUGU, EMBASE, GMELIN\*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT, PROMT, RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER, ULIDAT, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

/ Structure 37 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1992 REFERENCES IN FILE CA (1907 TO DATE)  
53 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
1992 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
15 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 37 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 86-74-8 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 9H-Carbazole (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Carbazole (8CI)  
OTHER NAMES:  
CN 9-Azafluorene  
CN Chlorophenesin carbamate  
CN Dibenzopyrrole  
CN Dibenzo[b,d]pyrrole  
CN Diphenylenimine  
CN NSC 3498  
CN SKF 20091  
FS 3D CONCORD  
MF C12 H9 N  
CI COM  
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM\*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT, PIRA, PROMT, RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VTB

=> d ibib 17

L7 ANSWER 1 OF 28 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1995:413350 CAPLUS  
DOCUMENT NUMBER: 122:176988  
TITLE: Synthesis of Pyrroloquinolinequinone Analogs.  
Molecular Structure and Moessbauer and Magnetic  
Properties of Their Iron Complexes  
AUTHOR(S): Tommasi, L.; Shechter-Barloy, L.; Varech, D.;  
Battionni, J.-P.; Donnadieu, B.; Verelst, M.;  
Bousseksou, A.; Mansuy, D.; Tuchagues, J.-P.  
CORPORATE SOURCE: Laboratoire de Chimie de Coordination, CNRS, Toulouse,  
31077, Fr.  
SOURCE: Inorganic Chemistry (1995), 34(6), 1514-23  
CODEN: INOCAJ; ISSN: 0020-1669  
PUBLISHER: American Chemical Society  
DOCUMENT TYPE: Journal  
LANGUAGE: English

=> d hitstr 17

L7 ANSWER 1 OF 28 CAPLUS COPYRIGHT 2006 ACS on STN  
IT 161470-03-7P 161470-04-8P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(preparation and complexation with iron)  
RN 161470-03-7 CAPLUS  
CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dimethoxy-, 1-methyl ester  
(9CI) (CA INDEX NAME)

/ Structure 42 in file .gra /

RN 161470-04-8 CAPLUS  
CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dihydroxy-, 1-methyl ester  
(9CI) (CA INDEX NAME)

/ Structure 43 in file .gra /

IT 161470-01-5P  
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
(preparation and magnetic moment of)  
RN 161470-01-5 CAPLUS  
CN Iron, chlorobis[1-methyl 5,6-dihydroxybenzo[f]quinoline-1,3-  
dicarboxylato(3-)-O5,O6]-, compd. with N,N-diethylethanamine hydrochloride  
(1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 161470-00-4  
CMF C32 H16 Cl Fe N2 O12  
CCI CCS

/ Structure 44 in file .gra /

CM 2

CRN 554-68-7  
CMF C6 H15 N . Cl H

/ Structure 45 in file .gra /

=> d his

(FILE 'HOME' ENTERED AT 08:47:38 ON 11 SEP 2006)

FILE 'REGISTRY' ENTERED AT 08:48:06 ON 11 SEP 2006

L1                   STRUCTURE uploaded  
L2                   1 S L1 EXA FULL  
L3                   21 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 08:49:49 ON 11 SEP 2006

L4                   29 S L3  
L5                   0 S L3/THU  
L6                   0 S L3/DGN  
L7                   28 S L4 NOT PY>1999  
L8                   730006 S TUMOR? OR CANCER? OR NEOPLAS?  
L9                   0 S L8 AND L7

=> s technium

L10                  2 TECHNIUM

=> s Tc99

L11                  147 TC99

=> s l11 and l4

L12                  0 L11 AND L4

=> s antibod? and l4

470558 ANTIBOD?

L13                  0 ANTIBOD? AND L4

=> s radio? and l4

639924 RADIO?

L14                  1 RADIO? AND L4

=> d ibib

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER:           2000:608618 CAPLUS

DOCUMENT NUMBER:           133:204807

TITLE:                  Molecules for the treatment and diagnosis of tumors

INVENTOR(S):           Alberto, Roger Ariel; Schibli, Roger

PATENT ASSIGNEE(S):       Mallinckrodt Inc., USA

SOURCE:                PCT Int. Appl., 28 pp.

CODEN: PIXXD2

DOCUMENT TYPE:        Patent

LANGUAGE:               English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|---|------|----------|-----------------|----------|
| WO 2000050086   | A1   | 20000831 | WO 2000-EP1553  | 20000224 |
| W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW |      |          |                 |          |
| RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  |      |          |                 |          |

|  |    |          |                 |             |
|--|----|----------|-----------------|-------------|
| CA 2360419   | AA | 20000831 | CA 2000-2360419 | 20000224    |
| EP 1154798   | A1 | 20011121 | EP 2000-910711  | 20000224    |
| EP 1154798   | B1 | 20060510 |                 |             |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,<br>IE, SI, LT, LV, FI, RO, CY |    |          |                 |             |
| JP 2002537360  | T2 | 20021105 | JP 2000-600696  | 20000224    |
| AT 325624  | E  | 20060615 | AT 2000-910711  | 20000224    |
| US 6844425   | B1 | 20050118 | US 2001-913788  | 20010815    |
| US 2005019254  | A1 | 20050127 | US 2004-707994  | 20040130    |
| PRIORITY APPLN. INFO.:   |    |          |                 |             |
|  |    |          | US 1999-121340P | P 19990224  |
|  |    |          | EP 1999-200754  | A 19990312  |
|  |    |          | WO 2000-EP1553  | W 20000224  |
|  |    |          | US 2001-913788  | A1 20010815 |

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST  | 29.21            | 253.34        |

STN INTERNATIONAL LOGOFF AT 08:56:34 ON 11 SEP 2006

Connecting via Winsock to STN

Welcome to STN International! Enter x:

x

Welcome to STN International! Enter x:

LOGINID:SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* \* \* \* \* Welcome to STN International \* \* \* \* \* \* \* \* \*

|               |  |
|---------------|--|
| NEWS 1        | Web Page URLs for STN Seminar Schedule - N. America                |
| NEWS 2        | "Ask CAS" for self-help around the clock                           |
| NEWS 3 FEB 27 | New STN AnaVist pricing effective March 1, 2006                    |
| NEWS 4 MAY 10 | CA/CAplus enhanced with 1900-1906 U.S. patent records              |
| NEWS 5 MAY 11 | KOREAPAT updates resume  |
| NEWS 6 MAY 19 | Derwent World Patents Index to be reloaded and enhanced            |
| NEWS 7 MAY 30 | IPC 8 Rolled-up Core codes added to CA/CAplus and USPATFULL/USPAT2 |
| NEWS 8 MAY 30 | The F-Term thesaurus is now available in CA/CAplus                 |
| NEWS 9 JUN 02 | The first reclassification of IPC codes now complete in INPADOC    |

(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

/ Structure 38 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

5803 REFERENCES IN FILE CA (1907 TO DATE)  
609 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
5816 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 38 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 85-02-9 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Benzo[f]quinoline (6CI, 8CI, 9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN  $\beta$ -Naphthoquinoline  
CN 1-Azaphenanthrene  
CN 5,6-Benzoquinoline  
CN 5,6-Benzo[f]quinoline  
CN NSC 9850  
FS 3D CONCORD  
DR 76713-23-0  
MF C13 H9 N  
CI COM, RPS  
LC STN Files: ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS,  
CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, CSNB, DETHERM\*,  
EMBASE, GMELIN\*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK\*, RTECS\*,  
SPECINFO, TOXCENTER, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: EINECS\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

/ Structure 39 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

899 REFERENCES IN FILE CA (1907 TO DATE)  
49 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
899 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
51 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 39 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 51-17-2 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 1H-Benzimidazole (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Benzimidazole (6CI, 8CI)  
OTHER NAMES:  
CN 1,3-Benzodiazole  
CN 1,3-Diazaindene  
CN 3-Azaindole  
CN Azindole  
CN Benziminazole  
CN Benzoglyoxaline  
CN Benzoimidazole  
CN BZI

CN N,N'-Methenyl-o-phenylenediamine  
CN NSC 759  
CN o-Benzimidazole  
FS 3D CONCORD  
DR 25463-25-6, 79351-71-6, 116421-27-3  
MF C7 H6 N2  
CI COM, RPS  
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DDFU, DETHERM\*, DRUGU, EMBASE, GMELIN\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT, PIRA, PROMT, RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER, ULIDAT, USPAT2, USPATFULL, VETU, VTB  
(\*File contains numerically searchable property data)  
Other Sources: EINECS\*\*, NDSL\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

/ Structure 40 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

6333 REFERENCES IN FILE CA (1907 TO DATE)  
1941 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
6341 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
11 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> s 289705-41-5/rn or 289705-40-4/rn  
1 289705-41-5/RN  
1 289705-40-4/RN  
L3 2 289705-41-5/RN OR 289705-40-4/RN

=> file caplus  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
SESSION  
FULL ESTIMATED COST ENTRY 76.30 79.00

FILE 'CAPLUS' ENTERED AT 08:44:25 ON 11 SEP 2006  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
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FILE COVERS 1907 - 11 Sep 2006 VOL 145 ISS 12  
FILE LAST UPDATED: 10 Sep 2006 (20060910/ED)

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They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 289705-41-5/rn or 289705-40-4/rn  
1 289705-41-5

0 289705-41-5D  
 1 289705-41-5/RN  
     (289705-41-5 (NOTL) 289705-41-5D )  
 1 289705-40-4  
 0 289705-40-4D  
 1 289705-40-4/RN  
     (289705-40-4 (NOTL) 289705-40-4D )  
 L4      1 289705-41-5/RN OR 289705-40-4/RN

=> d ibib

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2000:608618 CAPLUS  
 DOCUMENT NUMBER: 133:204807  
 TITLE: Molecules for the treatment and diagnosis of tumors  
 INVENTOR(S): Alberto, Roger Ariel; Schibli, Roger  
 PATENT ASSIGNEE(S): Mallinckrodt Inc., USA  
 SOURCE: PCT Int. Appl., 28 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.  | KIND | DATE  | APPLICATION NO. | DATE        |
|---|------|---|-----------------|-------------|
| WO 2000050086   | A1   | 20000831  | WO 2000-EP1553  | 20000224    |
| W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,<br>CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,<br>IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,<br>MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,<br>SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW |      |   |                 |             |
| RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,<br>DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,<br>CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  |      |   |                 |             |
| CA 2360419  | AA   | 20000831  | CA 2000-2360419 | 20000224    |
| EP 1154798  | A1   | 20011121  | EP 2000-910711  | 20000224    |
| EP 1154798  | B1   | 20060510  |                 |             |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,<br>IE, SI, LT, LV, FI, RO, CY  |      |   |                 |             |
| JP 2002537360   | T2   | 20021105  | JP 2000-600696  | 20000224    |
| AT 325624   | E    | 20060615  | AT 2000-910711  | 20000224    |
| US 6844425  | B1   | 20050118  | US 2001-913788  | 20010815    |
| US 2005019254   | A1   | 20050127  | US 2004-707994  | 20040130    |
| PRIORITY APPLN. INFO.:  |      |   | US 1999-121340P | P 19990224  |
|   |      |   | EP 1999-200754  | A 19990312  |
|   |      |   | WO 2000-EP1553  | W 20000224  |
|   |      |   | US 2001-913788  | A1 20010815 |
| REFERENCE COUNT:  | 10   | THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT |                 |             |

=>

---Logging off of STN---

=>  
Executing the logoff script...

=> LOG Y

| COST IN U.S. DOLLARS | SINCE FILE | TOTAL |
|----------------------|------------|-------|
|----------------------|------------|-------|

FULL ESTIMATED COST

ENTRY SESSION  
9.40 88.40

STN INTERNATIONAL LOGOFF AT 08:44:51 ON 11 SEP 2006

## Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID: SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 FEB 27 New STN AnaVist pricing effective March 1, 2006  
NEWS 4 MAY 10 CA/CAplus enhanced with 1900-1906 U.S. patent records  
NEWS 5 MAY 11 KOREAPAT updates resume  
NEWS 6 MAY 19 Derwent World Patents Index to be reloaded and enhanced  
NEWS 7 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAplus and  
USPATFULL/USPAT2  
NEWS 8 MAY 30 The F-Term thesaurus is now available in CA/CAplus  
NEWS 9 JUN 02 The first reclassification of IPC codes now complete in  
INPADOC  
NEWS 10 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and  
and display fields  
NEWS 11 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL  
NEWS 12 JUL 11 CHEMSAFE reloaded and enhanced  
NEWS 13 JUL 14 FSTA enhanced with Japanese patents  
NEWS 14 JUL 19 Coverage of Research Disclosure reinstated in DWPI  
NEWS 15 AUG 09 INSPEC enhanced with 1898-1968 archive  
NEWS 16 AUG 28 ADISCTI Reloaded and Enhanced  
NEWS 17 AUG 30 CA(SM)/CAplus(SM) Austrian patent law changes

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items  
NEWS IPC8 For general information regarding STN implementation of IPC 8  
NEWS X25 X.25 communication option no longer available

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FILE 'HOME' ENTERED AT 08:47:38 ON 11 SEP 2006

```
=>
Uploading
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Do you want to switch to the Registry File?
Choice (Y/n):
Switching to the Registry File...
Some commands only work in certain files. For example, the EXPAND
command can only be used to look at the index in a file which has an
index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of
commands which can be used in this file.
```

```
=> FILE REGISTRY
```

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST  | 0.21             | 0.21          |

```
FILE 'REGISTRY' ENTERED AT 08:48:06 ON 11 SEP 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 American Chemical Society (ACS)
```

```
Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.
```

```
STRUCTURE FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8
DICTIONARY FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8
```

```
New CAS Information Use Policies, enter HELP USAGETERMS for details.
```

```
TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006
```

```
Please note that search-term pricing does apply when
conducting SmartSELECT searches.
```

```
REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:
```

```
http://www.cas.org/ONLINE/UG/regprops.html
```

```
=>
Uploading c:\program files\stnexp\queries\10707994 fig.2
```

```
L1      STRUCTURE UPLOADED
```

```
=> d 11
L1 HAS NO ANSWERS
L1      STR
/ Structure 41 in file .gra /
```

```
Structure attributes must be viewed using STN Express query preparation.
```

```
=> s 11 exa full
FULL SEARCH INITIATED 08:49:31 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      11 TO ITERATE
```

```
100.0% PROCESSED      11 ITERATIONS
SEARCH TIME: 00.00.01          1 ANSWERS
```

```
L2      1 SEA EXA FUL L1
```

```
=> s 11 sss full
FULL SEARCH INITIATED 08:49:42 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 240 TO ITERATE

100.0% PROCESSED 240 ITERATIONS 21 ANSWERS
SEARCH TIME: 00.00.01
```

```
L3 21 SEA SSS FUL L1
```

```
=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
                           ENTRY SESSION
FULL ESTIMATED COST           223.92 224.13
```

```
FILE 'CAPLUS' ENTERED AT 08:49:49 ON 11 SEP 2006
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```
FILE COVERS 1907 - 11 Sep 2006 VOL 145 ISS 12
FILE LAST UPDATED: 10 Sep 2006 (20060910/ED)
```

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

```
=> s 13
L4 29 L3

=> s 13/thu
     29 L3
     809336 THU/RL
L5 0 L3/THU
     (L3 (L) THU/RL)

=> s 13/dgn
     29 L3
     66042 DGN/RL
L6 0 L3/DGN
     (L3 (L) DGN/RL)

=> s 14 not py>1999
     7119107 PY>1999
L7 28 L4 NOT PY>1999

=> s tumor? or cancer? or neoplas?
     440617 TUMOR?
     305237 CANCER?
     462188 NEOPLAS?
L8 730006 TUMOR? OR CANCER? OR NEOPLAS?

=> s 18 and 17
L9 0 L8 AND L7
```

FILE 'CAPLUS' ENTERED AT 11:18:51 ON 11 SEP 2006  
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FILE COVERS 1907 - 11 Sep 2006 VOL 145 ISS 12  
FILE LAST UPDATED: 10 Sep 2006 (20060910/ED)

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=> s 11  
REGISTRY INITIATED  
Substance data SEARCH and crossover from CAS REGISTRY in progress...  
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

SAMPLE SEARCH INITIATED 11:18:54 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 74 TO ITERATE

100.0% PROCESSED 74 ITERATIONS 2 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 964 TO 1996  
PROJECTED ANSWERS: 2 TO 124

L3 2 SEA SSS SAM L1

L4 6 L3

=> d ibib 1-6

L4 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1980:171538 CAPLUS  
DOCUMENT NUMBER: 92:171538  
TITLE: Reductive electrochemical carboxylation of nitrogen heterocycles  
AUTHOR(S): Hess, Ulrich; Fuchs, Peter; Jacob, Elke; Lund, Henning  
CORPORATE SOURCE: Sekt. Chem., Humboldt-Univ., Berlin, DDR-104, Ger.  
Dem. Rep.  
SOURCE: Zeitschrift fuer Chemie (1980), 20(2), 64-5  
CODEN: ZECEAL; ISSN: 0044-2402  
DOCUMENT TYPE: Journal  
LANGUAGE: German

L4 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1978:6691 CAPLUS  
DOCUMENT NUMBER: 88:6691  
TITLE: Synthesis of 3-carbethoxy-8-methoxybenzo[f]isoquinoline as a key intermediate in the synthesis of 14-aza-13-norequilenin methyl ether  
AUTHOR(S): Mahajan, R. K.; Singh, Manmohan  
CORPORATE SOURCE: Dep. Chem., Himachal Pradesh Univ., Simla, India  
SOURCE: Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1977), 15B(5), 491-2  
CODEN: IJSBDB; ISSN: 0376-4699  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 88:6691

L4 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1975:593579 CAPLUS  
DOCUMENT NUMBER: 83:193579  
TITLE: Total synthesis of 13- and 14-azaequilenines by heterocycloaddition  
AUTHOR(S): Zunnebeld, W. A.; Speckamp, W. N.  
CORPORATE SOURCE: Lab. Org. Chem., Univ. Amsterdam, Amsterdam, Neth.  
SOURCE: Tetrahedron (1975), 31(15), 1717-21  
CODEN: TETRAB; ISSN: 0040-4020  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L4 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1970:473505 CAPLUS  
DOCUMENT NUMBER: 73:73505  
TITLE: Androgenic, antiandrogenic, and anabolic activity of azasteroids on immature castrated rats  
AUTHOR(S): Saksena, S. K.; Chaudhury, Ranjit R.  
CORPORATE SOURCE: Dep. Pharmacol., Postgrad. Inst. Med. Educ. Res., Chandigarh, India  
SOURCE: Indian Journal of Medical Research (1913-1988) (1970), 58(4), 513-18  
CODEN: IJMRAQ; ISSN: 0019-5340  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L4 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1966:75962 CAPLUS  
DOCUMENT NUMBER: 64:75962  
ORIGINAL REFERENCE NO.: 64:14243c-q  
TITLE: Aza steroids  
INVENTOR(S): R. H. Jones, Emrys  
PATENT ASSIGNEE(S): Imperial Chemical Industries Ltd.  
SOURCE: 4 pp.  
DOCUMENT TYPE: Patent  
LANGUAGE: Unavailable  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

| PATENT NO. | KIND  | DATE     | APPLICATION NO. | DATE     |
|------------|-------|----------|-----------------|----------|
| -----      | ----- | -----    | -----           | -----    |
| GB 1017700 |       | 19660119 | GB              | 19630515 |

L4 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1965:454552 CAPLUS  
DOCUMENT NUMBER: 63:54552  
ORIGINAL REFERENCE NO.: 63:9912a-e  
TITLE: Reaction of  $\alpha$ -halo esters on  $\alpha$ -amino

ETHERS AND  $\alpha$ -AMINO NITRILES IN THE PRESENCE OF  
ZINC OR MAGNESIUM  
AUTHOR(S): CANCEILL, JOSETTE; JACQUES, JEAN  
CORPORATE SOURCE: COLLEGE DE FRANCE, PARIS  
SOURCE: BULLETIN DE LA SOCIETE CHIMIQUE DE FRANCE (1965), (4),  
903-9  
CODEN: BSCFAS; ISSN: 0037-8968  
DOCUMENT TYPE: JOURNAL  
LANGUAGE: FRENCH  
OTHER SOURCE(S): CASREACT 63:54552

=> s 13  
L5 6 L3

=> file reg  
COST IN U.S. DOLLARS  
FULL ESTIMATED COST

| SINCE FILE ENTRY | TOTAL SESSION |
|------------------|---------------|
| 7.30             | 64.95         |

FILE 'REGISTRY' ENTERED AT 11:19:42 ON 11 SEP 2006  
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STRUCTURE FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8  
DICTIONARY FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8

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TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s 11 sss full  
FULL SEARCH INITIATED 11:19:49 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 1257 TO ITERATE

100.0% PROCESSED 1257 ITERATIONS 37 ANSWERS  
SEARCH TIME: 00.00.01

L6 37 SEA SSS FUL L1

=> file caplus  
COST IN U.S. DOLLARS  
FULL ESTIMATED COST

| SINCE FILE ENTRY | TOTAL SESSION |
|------------------|---------------|
| 166.94           | 231.89        |

FILE 'CAPLUS' ENTERED AT 11:19:53 ON 11 SEP 2006  
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FILE COVERS 1907 - 11 Sep 2006 VOL 145 ISS 12  
FILE LAST UPDATED: 10 Sep 2006 (20060910/ED)

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=> s 16  
L7 37 L6

=> s cancer? or tumor? or neoplas?  
305237 CANCER?  
440617 TUMOR?  
462188 NEOPLAS?  
L8 730006 CANCER? OR TUMOR? OR NEOPLAS?

=> s 18 and 17  
L9 1 L8 AND L7

=> d ibib

L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2000:608618 CAPLUS  
DOCUMENT NUMBER: 133:204807  
TITLE: Molecules for the treatment and diagnosis of tumors  
INVENTOR(S): Alberto, Roger Ariel; Schibli, Roger  
PATENT ASSIGNEE(S): Mallinckrodt Inc., USA  
SOURCE: PCT Int. Appl., 28 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|---|------|----------|-----------------|----------|
| WO 2000050086   | A1   | 20000831 | WO 2000-EP1553  | 20000224 |
| W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW |      |          |                 |          |
| RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  |      |          |                 |          |
| CA 2360419  | AA   | 20000831 | CA 2000-2360419 | 20000224 |
| EP 1154798  | A1   | 20011121 | EP 2000-910711  | 20000224 |
| EP 1154798  | B1   | 20060510 |                 |          |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY   |      |          |                 |          |
| JP 2002537360   | T2   | 20021105 | JP 2000-600696  | 20000224 |
| AT 325624   | E    | 20060615 | AT 2000-910711  | 20000224 |
| US 6844425  | B1   | 20050118 | US 2001-913788  | 20010815 |

|                        |    |   |                 |             |
|------------------------|----|---|-----------------|-------------|
| US 2005019254          | A1 | 20050127  | US 2004-707994  | 20040130    |
| PRIORITY APPLN. INFO.: |    |   | US 1999-121340P | P 19990224  |
|                        |    |   | EP 1999-200754  | A 19990312  |
|                        |    |   | WO 2000-EP1553  | W 20000224  |
|                        |    |   | US 2001-913788  | A1 20010815 |
| REFERENCE COUNT:       | 10 | THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT |                 |             |

=> s 17 and metal  
 1675553 METAL  
 846029 METALS  
 2032939 METAL  
 (METAL OR METALS)

L10 10 L7 AND METAL

=> d ibib 1-5

L10 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2000:608618 CAPLUS  
 DOCUMENT NUMBER: 133:204807  
 TITLE: Molecules for the treatment and diagnosis of tumors  
 INVENTOR(S): Alberto, Roger Ariel; Schibli, Roger  
 PATENT ASSIGNEE(S): Mallinckrodt Inc., USA  
 SOURCE: PCT Int. Appl., 28 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|---|------|----------|-----------------|----------|
| WO 2000050086   | A1   | 20000831 | WO 2000-EP1553  | 20000224 |
| W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW |      |          |                 |          |
| RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  |      |          |                 |          |
| CA 2360419  | AA   | 20000831 | CA 2000-2360419 | 20000224 |
| EP 1154798  | A1   | 20011121 | EP 2000-910711  | 20000224 |
| EP 1154798  | B1   | 20060510 |                 |          |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY   |      |          |                 |          |
| JP 2002537360   | T2   | 20021105 | JP 2000-600696  | 20000224 |
| AT 325624   | E    | 20060615 | AT 2000-910711  | 20000224 |
| US 6844425  | B1   | 20050118 | US 2001-913788  | 20010815 |
| US 2005019254   | A1   | 20050127 | US 2004-707994  | 20040130 |

PRIORITY APPLN. INFO.:

|                 |             |
|-----------------|-------------|
| US 1999-121340P | P 19990224  |
| EP 1999-200754  | A 19990312  |
| WO 2000-EP1553  | W 20000224  |
| US 2001-913788  | A1 20010815 |

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1995:413350 CAPLUS  
 DOCUMENT NUMBER: 122:176988  
 TITLE: Synthesis of Pyrroloquinolinequinone Analogs.  
 Molecular Structure and Moessbauer and Magnetic  
 Properties of Their Iron Complexes  
 AUTHOR(S): Tommasi, L.; Shechter-Barloy, L.; Varech, D.;

CORPORATE SOURCE: Battioni, J.-P.; Donnadieu, B.; Verelst, M.;  
Bousseksou, A.; Mansuy, D.; Tuchagues, J.-P.  
Laboratoire de Chimie de Coordination, CNRS, Toulouse,  
31077, Fr.

SOURCE: Inorganic Chemistry (1995), 34(6), 1514-23  
CODEN: INOCAJ; ISSN: 0020-1669

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

L10 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1957:900 CAPLUS  
DOCUMENT NUMBER: 51:900  
ORIGINAL REFERENCE NO.: 51:125h-i,126a  
TITLE: 5,6-Benzooquinaldinic acid as an analytical reagent. I.  
Determination of thorium and zirconium  
AUTHOR(S): Majumdar, Anil Kumar; Banerjee, Siddheswar  
CORPORATE SOURCE: Coll. Eng. Tech., Bengal, Calcutta  
SOURCE: Analytica Chimica Acta (1956), 14, 306-10  
CODEN: ACACAM; ISSN: 0003-2670  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L10 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1955:83186 CAPLUS  
DOCUMENT NUMBER: 49:83186  
ORIGINAL REFERENCE NO.: 49:15612c-d  
TITLE: 5,6-Benzooquinaldinic acid as an analytical reagent. V.  
Separation of cadmium from different elements  
AUTHOR(S): Majumdar, Anil Kumar; De, Anil Kumar  
CORPORATE SOURCE: Coll. Eng. Technol., Bengal, Calcutta  
SOURCE: J. Indian Chem. Soc. (1955), 32, 85-8  
DOCUMENT TYPE: Journal  
LANGUAGE: Unavailable

L10 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1954:31977 CAPLUS  
DOCUMENT NUMBER: 48:31977  
ORIGINAL REFERENCE NO.: 48:5713b-e  
TITLE: Diphenylcarbazone as a colorimetric reagent for  
bivalent chromium  
AUTHOR(S): Bose, Monisha  
CORPORATE SOURCE: Univ. Coll. Sci., Calcutta  
SOURCE: Science and Culture (1953), 19, 213-14  
CODEN: SCINAL; ISSN: 0036-8156  
DOCUMENT TYPE: Journal  
LANGUAGE: Unavailable

=> d hitstr 1-10

L10 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
IT 289661-18-3P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(radiolabeled complexes for treatment and diagnosis of tumors)  
RN 289661-18-3 CAPLUS  
CN Benzo[f]quinoline-3-carboxylic acid, hydrobromide (9CI) (CA INDEX NAME)

/ Structure 46 in file .gra /

L10 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
IT 161470-07-1P, 5,6-Dimethoxy-1,3-bis(methoxycarbonyl)benzo[f]quinol

ine  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
    (preparation and base hydrolysis of)  
RN 161470-07-1 CAPLUS  
CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dimethoxy-, dimethyl ester  
(9CI) (CA INDEX NAME)

/ Structure 47 in file .gra /

IT 161470-03-7P 161470-04-8P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
    (preparation and complexation with iron)  
RN 161470-03-7 CAPLUS  
CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dimethoxy-, 1-methyl ester  
(9CI) (CA INDEX NAME)

/ Structure 48 in file .gra /

RN 161470-04-8 CAPLUS  
CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dihydroxy-, 1-methyl ester  
(9CI) (CA INDEX NAME)

/ Structure 49 in file .gra /

IT 161470-01-5P  
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
    (preparation and magnetic moment of)  
RN 161470-01-5 CAPLUS  
CN Iron, chlorobis[1-methyl 5,6-dihydroxybenzo[f]quinoline-1,3-  
dicarboxylato(3-)O5,06]-, compd. with N,N-diethylethanamine hydrochloride  
(1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 161470-00-4  
CMF C32 H16 Cl Fe N2 O12  
CCI CCS

/ Structure 50 in file .gra /

CM 2

CRN 554-68-7  
CMF C6 H15 N . Cl H

/ Structure 51 in file .gra /

IT 142422-23-9P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
    (preparation, protection, oxidation, base hydrolysis, and complexation with  
    iron)  
RN 142422-23-9 CAPLUS  
CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dihydroxy-, dimethyl ester  
(9CI) (CA INDEX NAME)

/ Structure 52 in file .gra /

L10 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid  
(formed therefrom, in titanium determination)  
RN 65714-31-0 CAPLUS  
CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)

/ Structure 53 in file .gra /

(in analysis of Th and Zr, and compds. formed therefrom  
(in titanium detn., and Ti deriv. formed therefrom

L10 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid  
(in cadmium determination)  
RN 65714-31-0 CAPLUS  
CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)

/ Structure 54 in file .gra /

L10 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid  
(in analysis)  
RN 65714-31-0 CAPLUS  
CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)

/ Structure 55 in file .gra /

L10 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid  
(in analysis)  
RN 65714-31-0 CAPLUS  
CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)

/ Structure 56 in file .gra /

L10 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid  
(and salts, in analytical chemistry)  
RN 65714-31-0 CAPLUS  
CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)

/ Structure 57 in file .gra /

L10 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid  
(in cadmium determination)  
RN 65714-31-0 CAPLUS  
CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)

/ Structure 58 in file .gra /

L10 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
 IT 65714-31-0, 5,6-Benzoquininaldic acid  
     (in analysis)  
 RN 65714-31-0 CAPLUS  
 CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)

/ Structure 59 in file .gra /

L10 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
 IT 65714-31-0, 5,6-Benzoquinoline-3-carboxylic acid  
     (preparation of)  
 RN 65714-31-0 CAPLUS  
 CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)

/ Structure 60 in file .gra /

=> d ibib abs hitstr 1-10

L10 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2000:608618 CAPLUS  
 DOCUMENT NUMBER: 133:204807  
 TITLE: Molecules for the treatment and diagnosis of tumors  
 INVENTOR(S): Alberto, Roger Ariel; Schibli, Roger  
 PATENT ASSIGNEE(S): Mallinckrodt Inc., USA  
 SOURCE: PCT Int. Appl., 28 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE        |
|---|------|----------|-----------------|-------------|
| WO 2000050086   | A1   | 20000831 | WO 2000-EP1553  | 20000224    |
| W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW |      |          |                 |             |
| RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  |      |          |                 |             |
| CA 2360419  | AA   | 20000831 | CA 2000-2360419 | 20000224    |
| EP 1154798  | A1   | 20011121 | EP 2000-910711  | 20000224    |
| EP 1154798  | B1   | 20060510 |                 |             |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY   |      |          |                 |             |
| JP 2002537360   | T2   | 20021105 | JP 2000-600696  | 20000224    |
| AT 325624   | E    | 20060615 | AT 2000-910711  | 20000224    |
| US 6844425  | B1   | 20050118 | US 2001-913788  | 20010815    |
| US 2005019254   | A1   | 20050127 | US 2004-707994  | 20040130    |
| PRIORITY APPLN. INFO.:  |      |          | US 1999-121340P | P 19990224  |
|   |      |          | EP 1999-200754  | A 19990312  |
|   |      |          | WO 2000-EP1553  | W 20000224  |
|   |      |          | US 2001-913788  | A1 20010815 |

AB The invention relates to mols. for treatment and diagnosis of tumors and malignancies, comprising a tumor seeking biomol., which is coupled to an intercalating moiety, which is capable of complexing a metal, which metal is preferably a radioactive metal, to the use of these mols. and to therapeutic and diagnostic compns. containing them.

IT 289661-18-3P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(radiolabeled complexes for treatment and diagnosis of tumors)  
RN 289661-18-3 CAPLUS  
CN Benzo[f]quinoline-3-carboxylic acid, hydrobromide (9CI) (CA INDEX NAME)

/ Structure 61 in file .gra /

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1995:413350 CAPLUS  
DOCUMENT NUMBER: 122:176988  
TITLE: Synthesis of Pyrroloquinolinequinone Analogs.  
Molecular Structure and Moessbauer and Magnetic  
Properties of Their Iron Complexes  
AUTHOR(S): Tommasi, L.; Shechter-Barloy, L.; Varech, D.;  
Battioni, J.-P.; Donnadieu, B.; Verelst, M.;  
Bousseksou, A.; Mansuy, D.; Tuchagues, J.-P.  
CORPORATE SOURCE: Laboratoire de Chimie de Coordination, CNRS, Toulouse,  
31077, Fr.  
SOURCE: Inorganic Chemistry (1995), 34(6), 1514-23  
CODEN: INOCAJ; ISSN: 0020-1669  
PUBLISHER: American Chemical Society  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB Four complexes, FeII(L2)2 (1), [FeII(L2)(Cl)(MeOH)2]2 (2), FeII(L3H2)2  
(3), and FeIII(L4)2Cl·2(Et3N·HCl)·0.5MeCN (4),  
wherein L2H, L3H3, and L4H are analogs of pyrroloquinolinequinone or  
methoxatin (PQQ), were synthesized and studied. 2 Crystallizes in the  
triclinic system, space group P.hivin.1, Z = 2, a 9.588(6), b 10.011(7), c  
11.770(5) Å,  $\alpha$  96.66(5),  $\beta$  99.21(5), and  $\gamma$   
107.93(7)°. The structure was solved by direct methods and refined  
to conventional agreement indexes R = 0.054 and  $R_w$  = 0.063 with 2683  
unique reflections for which  $I > 3\sigma(I)$ . The mol. structure of 2  
consists of discrete [FeII(L2)(Cl)(MeOH)2] mols. associated into dimeric  
units through the carboxylate function of L2. The carboxylate O atoms of  
the two mols. constituting the dimeric unit bridge the metal  
centers affording a Fe...Fe' separation of 3.645(4) Å.  
The distorted coordination octahedron around each Fe(II) includes the  
pyridine N and carboxylate O atoms of L2, the chloride anion, and the O  
atom of two MeOH mols. The synthesis and IR, Moessbauer, and magnetic  
susceptibility studies of 1-4 evidence the variety of structural types and  
nuclearities obtained for Fe complexes of PQQ analogs, depending upon the  
stoichiometry and pH of the reactions. Complexes 1 and 3 (mononuclear)  
and 4 (polynuclear) were characterized by the 1:2 Fe:L ratio while complex  
2 (dimer) was characterized by the 1:1 Fe:L ratio. Among the analogs  
used, those of the reduced form of PQQ chelate Fe through their tridentate  
site while chelation occurs preferentially at the quinonic site for the  
analog of the oxidized form of PQQ.  
IT 161470-07-1P, 5,6-Dimethoxy-1,3-bis(methoxycarbonyl)benzo[f]quinol  
ine  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(preparation and base hydrolysis of)  
RN 161470-07-1 CAPLUS  
CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dimethoxy-, dimethyl ester  
(9CI) (CA INDEX NAME)

/ Structure 62 in file .gra /

IT 161470-03-7P 161470-04-8P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
    (preparation and complexation with iron)  
RN 161470-03-7 CAPLUS  
CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dimethoxy-, 1-methyl ester  
(9CI) (CA INDEX NAME)

/ Structure 63 in file .gra /

RN 161470-04-8 CAPLUS  
CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dihydroxy-, 1-methyl ester  
(9CI) (CA INDEX NAME)

/ Structure 64 in file .gra /

IT 161470-01-5P  
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
    (preparation and magnetic moment of)  
RN 161470-01-5 CAPLUS  
CN Iron, chlorobis[1-methyl 5,6-dihydroxybenzo[f]quinoline-1,3-  
dicarboxylato(3-)O5,O6]-, compd. with N,N-diethylethanamine hydrochloride  
(1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 161470-00-4  
CMF C32 H16 Cl Fe N2 O12  
CCI CCS

/ Structure 65 in file .gra /

CM 2

CRN 554-68-7  
CMF C6 H15 N . Cl H

/ Structure 66 in file .gra /

IT 142422-23-9P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
    (preparation, protection, oxidation, base hydrolysis, and complexation with  
    iron)  
RN 142422-23-9 CAPLUS  
CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dihydroxy-, dimethyl ester  
(9CI) (CA INDEX NAME)

/ Structure 67 in file .gra /

L10 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1957:900 CAPLUS  
DOCUMENT NUMBER: 51:900  
ORIGINAL REFERENCE NO.: 51:125h-i,126a  
TITLE: 5,6-Benzquinolonic acid as an analytical reagent. I.  
    Determination of thorium and zirconium  
AUTHOR(S): Majumdar, Anil Kumar; Banerjee, Siddheswar  
CORPORATE SOURCE: Coll. Eng. Tech., Bengal, Calcutta

SOURCE: *Analytica Chimica Acta* (1956), 14, 306-10  
CODEN: ACACAM; ISSN: 0003-2670  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB cf. C.A. 48, 4358i, 5713b. 5,6-Benzoquinaldinic acid (I) ppts. Th quantitatively at pH 3.0 or greater to form the anhydrous compound Th(C<sub>14</sub>H<sub>8</sub>O<sub>2</sub>N)<sub>4</sub> which can be weighed as such after drying at 110° or after washing with alc. and acetone, or which can be ignited to the oxide. The precipitation of Zr with I is quant. at pH values of 1.8 or greater, but the precipitate varies in composition, hence must be ignited to the oxide.

Separation of Th and Zr from the rare earths is accomplished by simple precipitation from acid solution. The tendency of Mg and the alkaline earths to coppt. is countered by the addition of NH<sub>4</sub>Cl.

IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid  
(formed therefrom, in titanium determination)

RN 65714-31-0 CAPLUS

CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)

/ Structure 68 in file .gra /

(in analysis of Th and Zr, and compds. formed therefrom  
(in titanium detn., and Ti deriv. formed therefrom

L10 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1955:83186 CAPLUS

DOCUMENT NUMBER: 49:83186

ORIGINAL REFERENCE NO.: 49:15612c-d

TITLE: 5,6-Benzoquinaldinic acid as an analytical reagent. V.  
Separation of cadmium from different elements

AUTHOR(S): Majumdar, Anil Kumar; De, Anil Kumar

CORPORATE SOURCE: Coll. Eng. Technol., Bengal, Calcutta

SOURCE: J. Indian Chem. Soc. (1955), 32, 85-8

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

AB cf. C.A. 48, 4358i. The reagent 5,6-benzoquinaldinic acid can be used for the estimation of Cd and for its separation from tartrate, phosphate, arsenate, vanadate, tungstate, molybdate, alkaline earths, Ag, Hg, Pb, Be, Th, Zr, U, rare earths, Fe, Al, Cr, Ti, Bi, Sb, and Sn either by the proper control of pH or by the use of complexing agents, such as thiourea and tartrate.

IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid  
(in cadmium determination)

RN 65714-31-0 CAPLUS

CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)

/ Structure 69 in file .gra /

L10 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1954:31977 CAPLUS

DOCUMENT NUMBER: 48:31977

ORIGINAL REFERENCE NO.: 48:5713b-e

TITLE: Diphenylcarbazone as a colorimetric reagent for bivalent chromium

AUTHOR(S): Bose, Monisha

CORPORATE SOURCE: Univ. Coll. Sci., Calcutta

SOURCE: Science and Culture (1953), 19, 213-14

CODEN: SCINAL; ISSN: 0036-8156

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

AB Diphenylcarbazone gives an intense red-violet coloration with Cr<sup>++</sup> (C.A.